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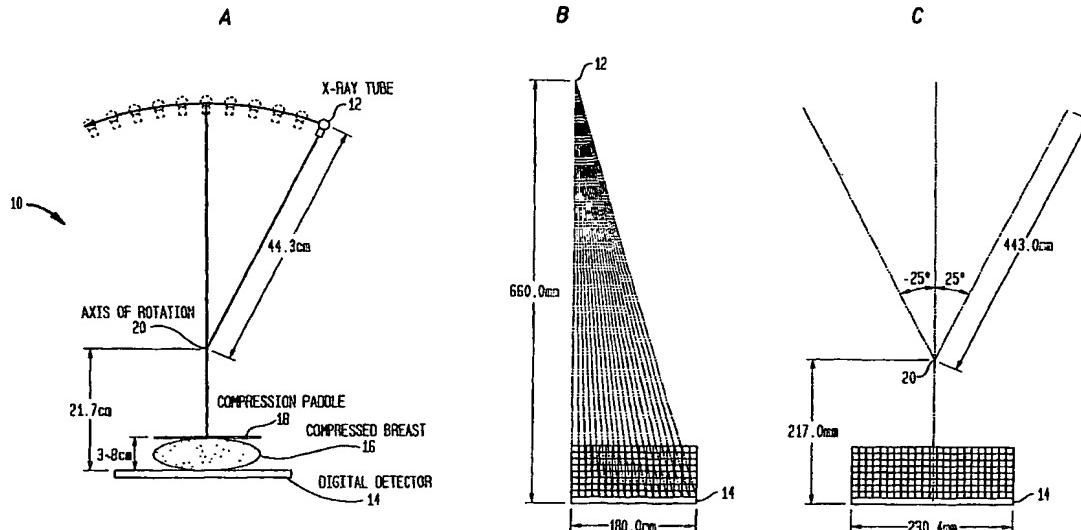
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(54) Title: MULTI-SEGMENT CONE-BEAM RECONSTRUCTION SYSTEM AND METHOD FOR TOMOSYNTHESIS IMAGING



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(57) Abstract: A tomosynthesis method for creating a three-dimensional reconstruction of a target element volume acquires radiation absorbance images of the target element volume through a limited plurality of positions. The target element volume is divided into a plurality of volume segments and a reconstruction algorithm is applied to each segment to generate a three-dimensional reconstruction of each volume segment. The three-dimensional reconstruction of each volume segment is then merged to create a three-dimensional reconstruction of the target volume. A tomosynthesis system and a computer program product for carrying out tomosynthesis are also provided.



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